


*The Choice of Experience*

# Catalog of Replacement parts

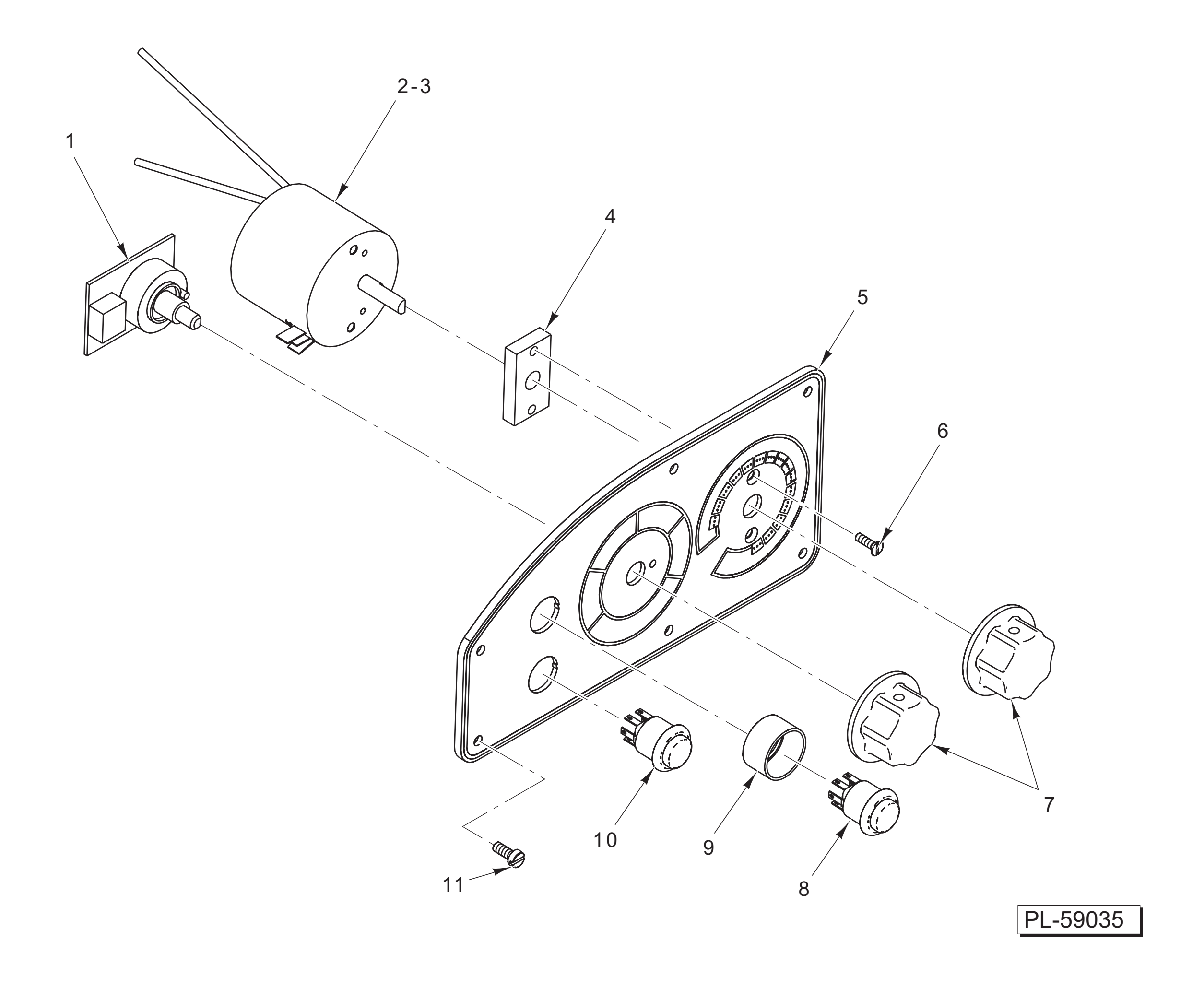



## FMS40 Quart Mixer

ML-134476
ML-134477
ML-141002

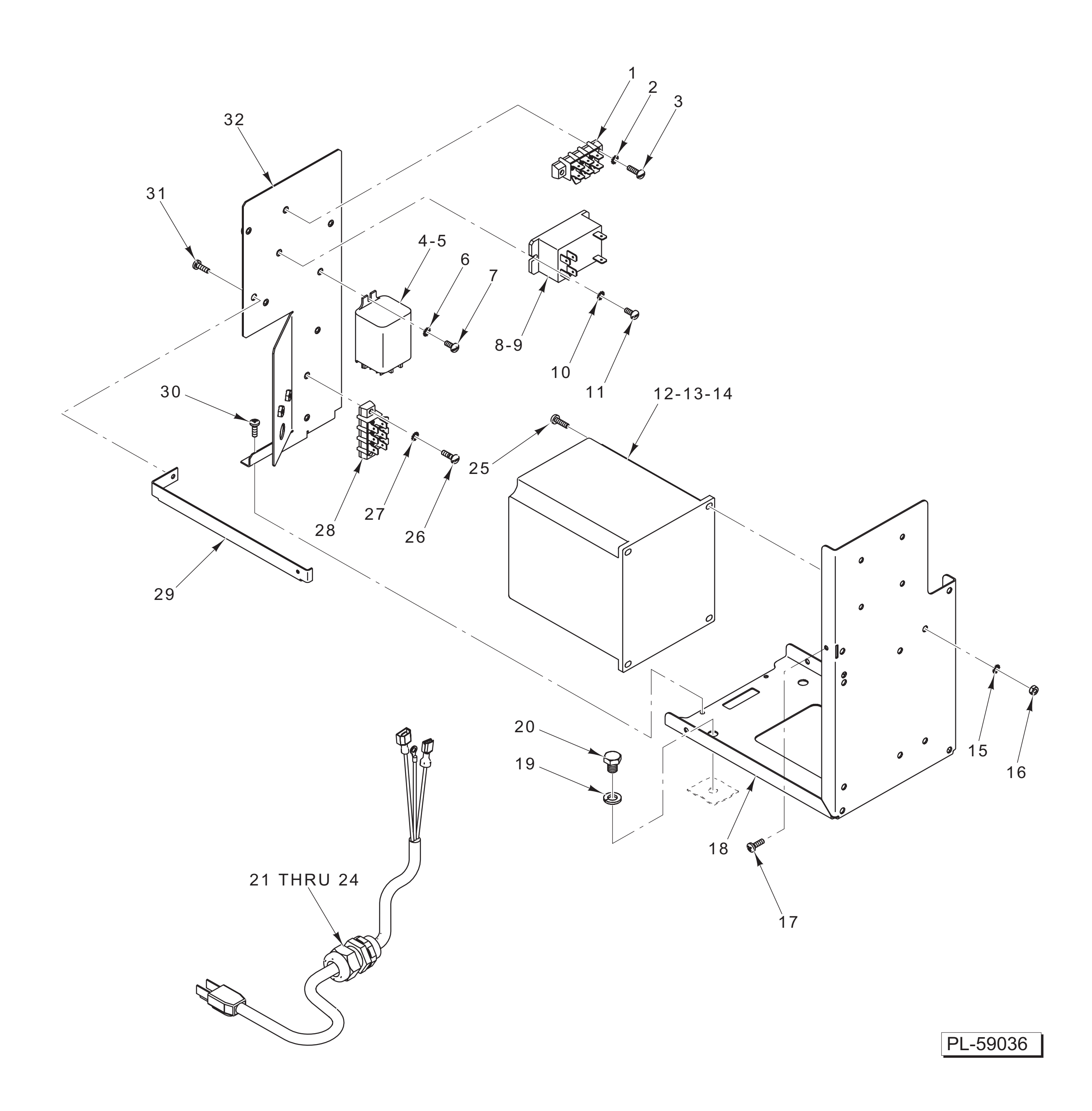
EFFECTIVE JUNE 2009

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## CONTROL PANEL

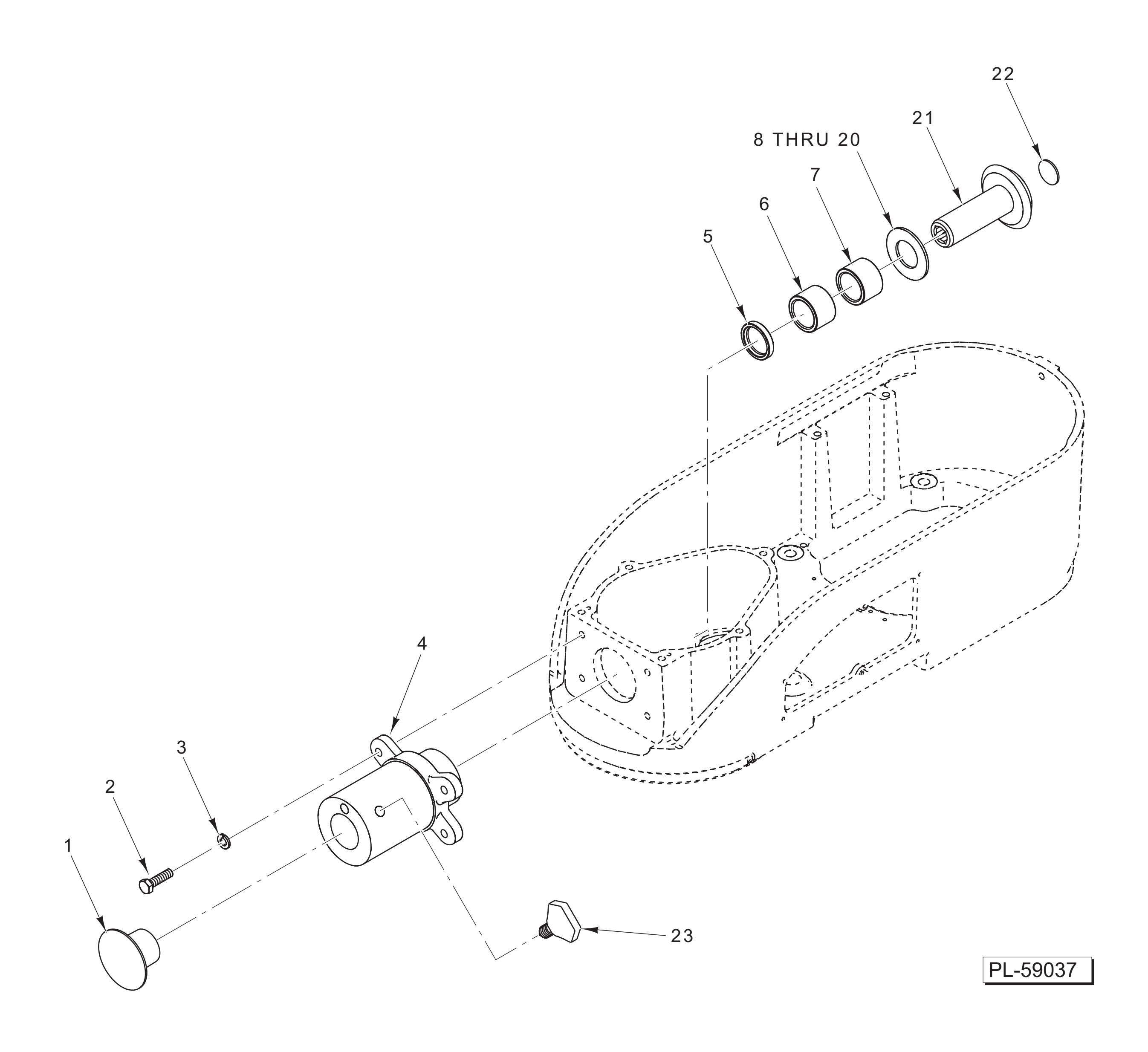
| ILLUS. PL-59035 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-917354 | PCB Assy – Speed Select | 1 |
| 2 | 00-916988-00005 | Timer – Assy. (90-130 V., 60 Hz.) | 1 |
| 3 | 00-916988-00006 | Timer – Assy. (180-250 V., 60 Hz.) | 1 |
| 4 | 00-916938 | Spacer – Timer | 1 |
| 5 | 00-917442 | Panel – Operator (Red) | 1 |
| 6 | SC-022-72 | Mach. Screw 5-40 x 7/16 Slotted Flat Hd. (SST) | 2 |
| 7 | 00-917141 | Knob – Control | 2 |
| 8 | 00-917447 | Switch – Start | 1 |
| 9 | 00-917446 | Guard – Switch | 1 |
| 10 | 00-917448 | Switch – Stop | 1 |
| 11 | SC-120-61 | Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd. | 6 |




## ELECTRICAL COMPONENTS

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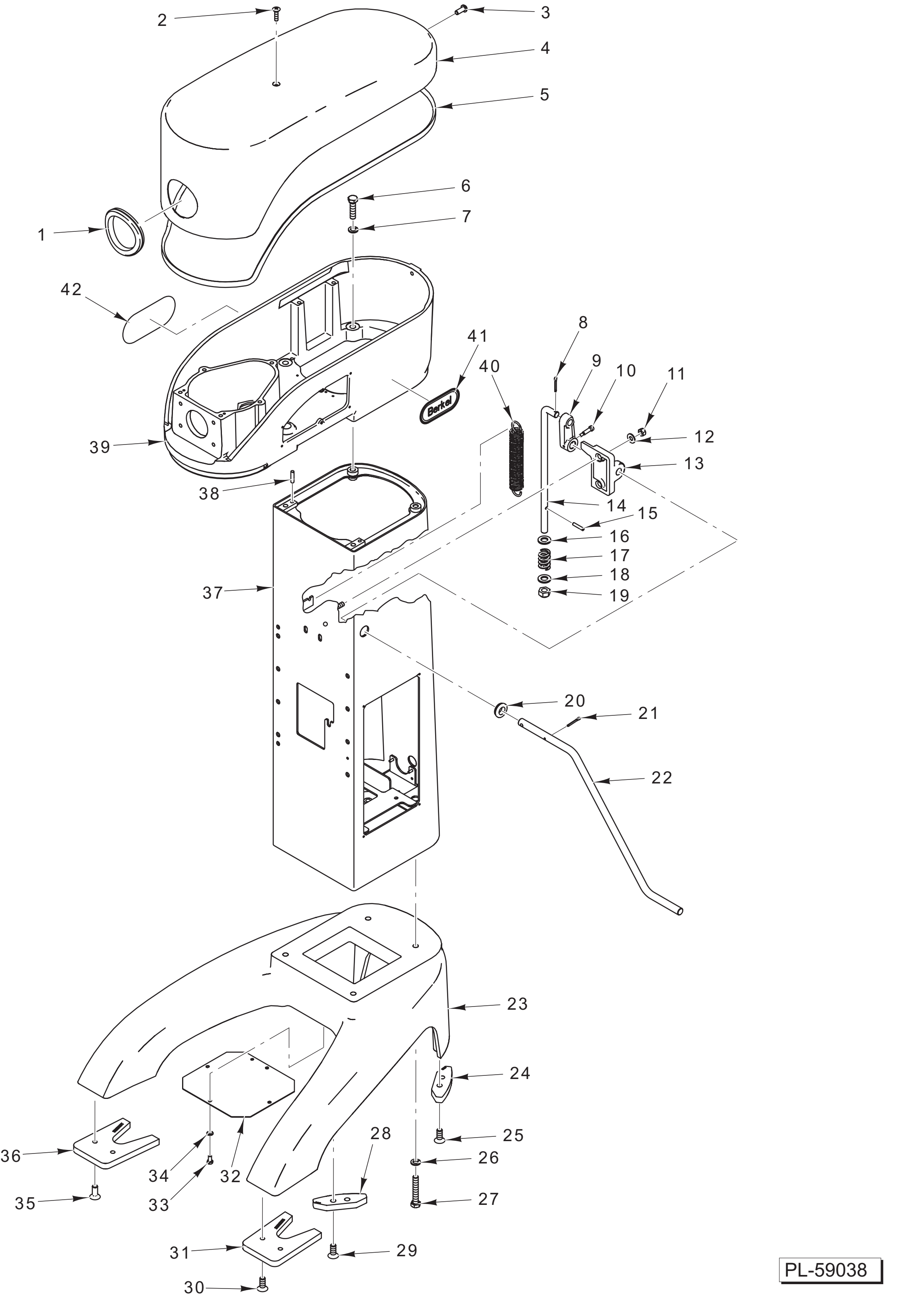
| ILLUS. PL-59036 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-916269 | Block – Terminal 1/4 QC | 1 |
| 2 | WL-019-81 | Lockwasher M4 (SST) | 2 |
| 3 | SC-118-29 | Mach. Screw M4 x 0.7 x 15mm Slotted Pan Hd. (SST) | 2 |
| 4 | 00-087714-020-2 | Relay (3PDT) (120 VAC Coil) | 1 |
| 5 | 00-087714-020-3 | Relay (3PDT) (240 VAC Coil) | 1 |
| 6 | WL-019-81 | Lockwasher M4 (SST) | 2 |
| 7 | SC-200-02 | Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST) | 2 |
| 8 | 00-087714-042-1 | Relay (2-Pole) (120 VAC Coil) | 1 |
| 9 | 00-087714-042-3 | Relay (2-Pole) (240 VAC Coil) | 1 |
| 10 | WL-019-81 | Lockwasher M4 (SST) | 2 |
| 11 | SC-200-02 | Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST) | 2 |
| 12 | 00-917840 | Controller (100-120 V., 50-60 Hz., 1Ph.) | 1 |
| 13 | 00-917577 | Controller (200-230 V., 50-60 Hz., 1Ph.) | 1 |
| 14 | 00-917578 | Controller (200-230 V., 50-60 Hz., 3Ph.) | 1 |
| 15 | WL-019-81 | Lockwasher M4 (SST) | 4 |
| 16 | NS-047-24 | Nut M4 x 0.7 Hex (Brass) | 4 |
| 17 | SD-039-50 | Self-Tapping Screw M3.9 x 13mm Phil. Pan Hd. (SST) | 1 |
| 18 | 00-917472 | Plate – Controller Mounting | 1 |
| 19 | WL-019-74 | Lockwasher M8 Spring (SST) | 1 |
| 20 | SC-121-57 | Cap Screw M8 x 1.25 x 10mm Hex Socket Hd. (SST) | 1 |
| 21 | FE-024-88 | Lock Nut 1/2 Electrical | 1 |
| 22 | FE-022-84 | Relief – Electrical Strain | 1 |
| 23 | 00-917681 | Cord – Plug & Strain Relief (120 V.) | 1 |
| 24 | 00-917682 | Cord – Plug & Strain Relief (230 V.) | 1 |
| 25 | SC-128-14 | Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd. | 4 |
| 26 | SC-118-29 | Mach. Screw M4 x 0.7 x 15mm Slotted Pan Hd. (SST) | 2 |
| 27 | WL-019-81 | Lockwasher M4 (SST) | 2 |
| 28 | 00-916269 | Block – Terminal 1/4 QC | 1 |
| 29 | 00-917830 | Brace – Controller Plate | 1 |
| 30 | SD-039-50 | Self-Tapping Screw M3.9 x 13mm Phil. Pan Hd. (SST) | 1 |
| 31 | SD-039-50 | Self-Tapping Screw M3.9 x 13mm Phil. Pan Hd. (SST) | 1 |
| 32 | 00-917764 | Plate – Controller Mounting | 1 |




## ATTACHMENT HUB

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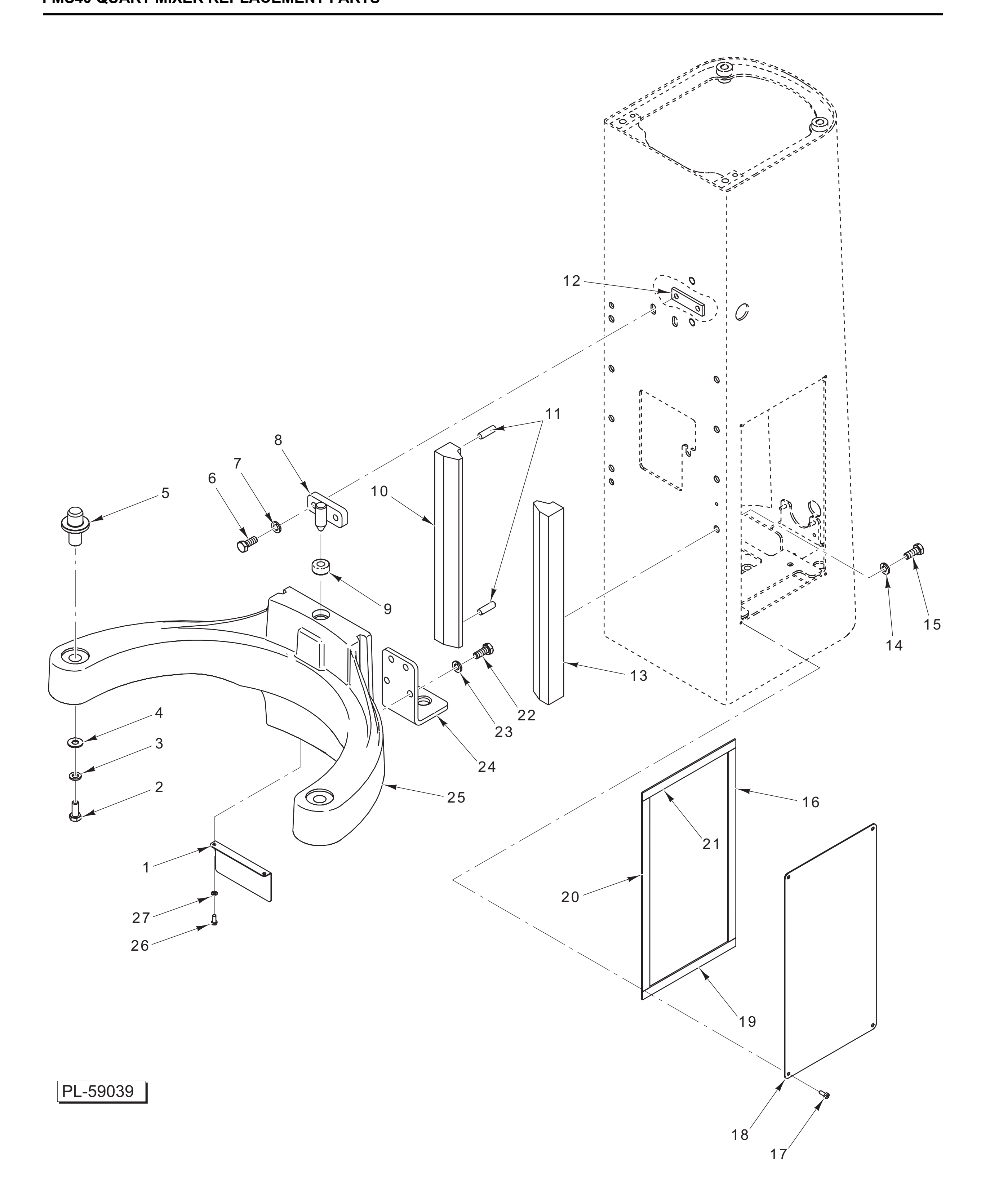
| ILLUS. PL-59037 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-917322 | Plug – Attachment (Black) | 1 |
| 2 | SC-130-77 | Cap Screw M8 x 1.25 x 30mm Hex Hd | 4 |
| 3 | WL-019-74 | Lockwasher M8 Spring (SST) | 4 |
| 4 | 00-917430 | Hub – Attachment | 1 |
| 5 | 00-917435 | Seal – Attachment Hub | 1 |
| 6 | BN-002-04 | Bearing – Needle 1 1/8 | 1 |
| 7 | BN-002-04 | Bearing – Needle 1 1/8 | 1 |
| 8 | 00-070045-00001 | Washer – Thrust (0.125) | AR |
| 9 | 00-070045-00002 | Washer – Thrust (0.119) | AR |
| 10 | 00-070045-00003 | Washer – Thrust (0.121) | AR |
| 11 | 00-070045-00004 | Washer – Thrust (0.123) | AR |
| 12 | 00-070045-00005 | Washer – Thrust (0.127) | AR |
| 13 | 00-070045-00006 | Washer – Thrust (0.129) | AR |
| 14 | 00-070045-00007 | Washer – Thrust (0.100) | AR |
| 15 | 00-070045-00008 | Washer – Thrust (0.090) | AR |
| 16 | 00-070045-00009 | Washer – Thrust (0.131) | AR |
| 17 | 00-070045-00010 | Washer – Thrust (0.133) | AR |
| 18 | 00-070045-00011 | Washer – Thrust (0.136) | AR |
| 19 | 00-070045-00012 | Washer – Thrust (0.139) | AR |
| 20 | 00-070045-00013 | Washer – Thrust (0.116) | AR |
| 21 | 00-070025 | Gear – Attachment Drive | 1 |
| 22 | PL-003-17 | Plug – Expansion | 1 |
| 23 | 00-108197-00001 | Screw – Thumb 1 1/8 | 1 |




## BASE AND PEDESTAL

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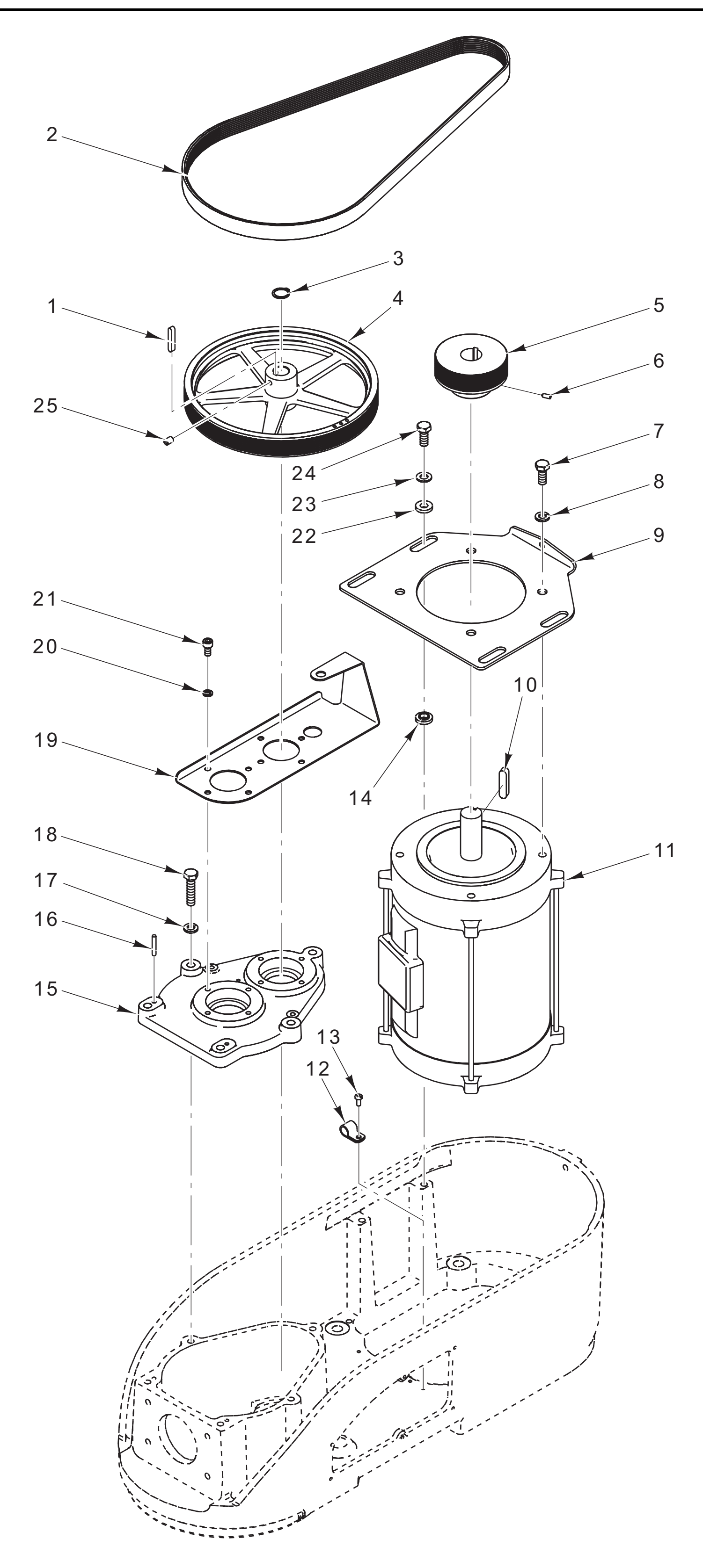
| ILLUS. PL-59038 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-917128 | Grommet – Attachment Hub | 1 |
| 2 | SC-120-29 | Mach. Screw $^{1}/_{4}$-20 x 1 Phil Oval Hd. | 1 |
| 3 | SC-130-88 | Mach. Screw M8 x 1.25 x 20mm Phil. Button Hd. (SST) | 1 |
| 4 | 00-917118 | Cover – Top (With Hub) | 1 |
| 5 | 00-874925-00007 | Seal – Neopreme | 1 |
| 6 | SC-124-61 | Cap Screw M10 x 1.50 x 40mm Hex Hd. | 4 |
| 7 | WL-019-89 | Lockwasher M10 Spring (SST) | 4 |
| 8 | PC-003-36 | Pin – Cotter $^{3}/_{32}$ | 1 |
| 9 | 00-917375 | Arm – Bowl Lift | 1 |
| 10 | SC-086-01 | Shoulder Screw 10-24 x $^{3}/_{4}$ Hex Socket Hd. | 1 |
| 11 | NS-013-14 | Nut $^{5}/_{16}$-18 Hex | 2 |
| 12 | WS-017-16 | Washer | 2 |
| 13 | 00-917612 | Bearing – Bowl Lift | 1 |
| 14 | 00-917373 | Rod – Bowl LIft | 1 |
| 15 | RP-006-48 | Pin – Roll (5mm) | 1 |
| 16 | WS-031-67 | Washer | 1 |
| 17 | 00-070104 | Spring – Bowl Lift | 1 |
| 18 | WS-031-67 | Washer | 1 |
| 19 | NS-049-24 | Lock Nut M12 x 1.75 Hex | 1 |
| 20 | 00-916876 | Grommet | 1 |
| 21 | PC-003-36 | Pin – Cotter $^{3}/_{32}$ | 1 |
| 22 | 00-917376 | Handle – Bowl Lift | 1 |
| 23 | 00-917290 | Base | 1 |
| 24 | 00-917166 | Pad – Back | 1 |
| 25 | SC-130-86 | Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd. | 2 |
| 26 | WL-019-89 | Lockwasher M10 Spring (SST) | 4 |
| 27 | SC-127-78 | Cap Screw M10 x 1.50 x 60mm Hex Hd. | 4 |
| 28 | 00-917166 | Pad – Back | 1 |
| 29 | SC-130-86 | Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd. | 2 |
| 30 | SC-130-86 | Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd. | 2 |
| 31 | 00-917391 | Pad – Front (Right) | 1 |
| 32 | 00-917691 | Plate – Bottom Cover | 1 |
| 33 | SC-118-58 | Cap Screw M6 x 1.0 x 12mm Hex Hd. | 4 |
| 34 | WL-019-48 | Lockwasher M6 Spring (SST) | 4 |
| 35 | SC-130-86 | Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd. | 2 |
| 36 | 00-917390 | Pad – Front (Left) | 1 |
| 37 | 00-917858 | Pedestal | 1 |
| 38 | 00-917595-00002 | Dowel | 1 |
| 39 | 00-917292 | Transmission – Mach | 1 |
| 40 | 00-916463 | Spring – Bowl Lift | 1 |
| 41 | 00-916992 | Logo – Berkel (Small) | 1 |
| 42 | 00-917341 | Logo – Berkel (Large) | 1 |




## BOWL SUPPORT

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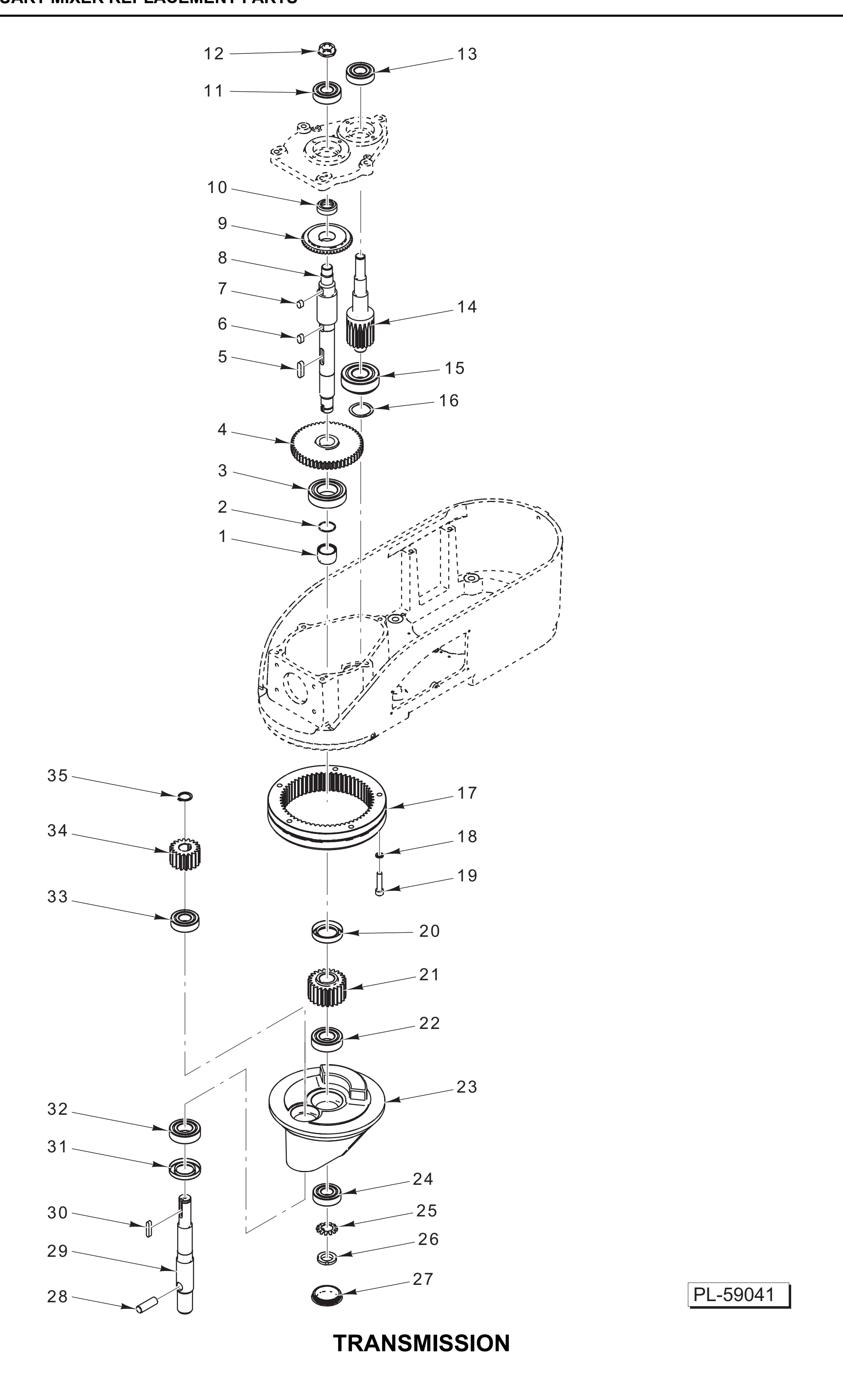
| ILLUS. PL-59039 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-917673 | Cover | 1 |
| 2 | SC-120-59 | Cap Screw M8 x 1.25 x 20mm Hex Hd. | 2 |
| 3 | WL-019-74 | Lockwasher M8 Spring (SST) | 2 |
| 4 | WS-017-16 | Washer | 2 |
| 5 | 00-917842 | Pin – Bowl Mounting | 2 |
| 6 | SC-120-59 | Cap Screw M8 x 1.25 x 20mm Hex Hd. | 2 |
| 7 | WL-019-74 | Lockwasher M8 Spring (SST) | 2 |
| 8 | 00-917660 | Pin – Weldment Latch | 1 |
| 9 | 00-917652 | Rest – Bowl | 1 |
| 10 | 00-917299 | Slideway – Bowl Lift | 1 |
| 11 | 00-917595-00004 | Dowel | 2 |
| 12 | 00-917654 | Retainer | 1 |
| 13 | 00-917299 | Slideway – Bowl Lift | 1 |
| 14 | WL-019-74 | Lockwasher M8 Spring (SST) | 8 |
| 15 | SC-120-59 | Cap Screw M8 x 1.25 x 20mm Hex Hd. | 8 |
| 16 | 00-917986-00001 | Seal – Side Cover | 1 |
| 17 | SC-120-61 | Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd. | 4 |
| 18 | 00-917309 | Cover | 1 |
| 19 | 00-917986-00002 | Seal – Side Cover | 1 |
| 20 | 00-917986-00001 | Seal – Side Cover | 1 |
| 21 | 00-917986-00002 | Seal – Side Cover | 1 |
| 22 | SC-120-59 | Cap Screw M8 x 1.25 x 20mm Hex Hd. | 4 |
| 23 | WL-019-74 | Lockwasher M8 Spring (SST) | 4 |
| 24 | 00-917416 | Bracket – Lift-Bowl Support | 1 |
| 25 | 00-917818 | Support – Bowl | 1 |
| 26 | SC-120-61 | Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd. | 2 |
| 27 | WL-020-01 | Lockwasher M4 Helical | 2 |




## TRANSMISSION CASE AND MOTOR

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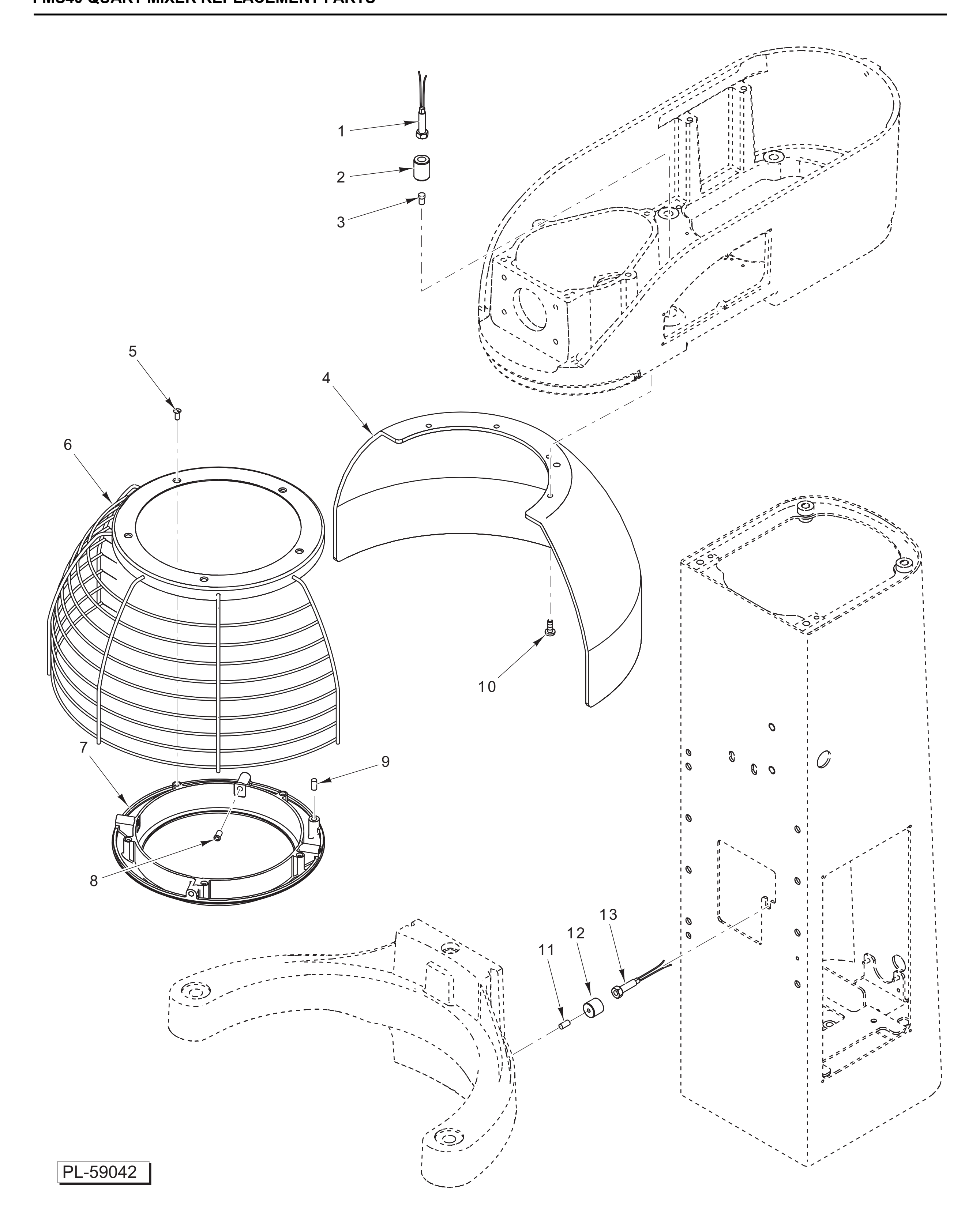
| ILLUS. PL-59040 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-917496-00001 | Key – Metric | 1 |
| 2 | 00-917364 | Belt – V Ribbed | 1 |
| 3 | RR-012-14 | Ring – Retaining | 1 |
| 4 | 00-917370 | Pulley – Driven | 1 |
| 5 | 00-917369 | Pulley – Driver | 1 |
| 6 | SC-127-76 | Set Screw M4 x 0.7 x 10mm Hex Hdls. Cone Pt. | 2 |
| 7 | SC-120-59 | Cap Screw M8 x 1.25 x 20mm Hex Hd. | 4 |
| 8 | WL-019-74 | Lockwasher M8 Spring (SST) | 4 |
| 9 | 00-917366 | Bracket – Motor Mounting | 1 |
| 10 | 00-917496-00002 | Key – Metric | 1 |
| 11 | 00-917680-00001 | Motor (2.5 Hp., 200-400 V., 3 Ph.) | 1 |
| 12 | 00-078752-00009 | Clamp – Cable | 1 |
| 13 | SC-118-28 | Mach. Screw M4 x 0.7 x 12mm Slotted Pan Hd. (SST) | 1 |
| 14 | 00-917410 | Isolator | 4 |
| 15 | 00-917360 | Cover – Transmission Top | 1 |
| 16 | 00-917595-00005 | Dowel | 2 |
| 17 | WL-019-74 | Lockwasher M8 Spring (SST) | 5 |
| 18 | SC-130-78 | Cap Screw M8 x 1.25 x 35mm Hex Socket Hd. | 5 |
| 19 | 00-917624 | Bracket – Top Cover Mounting | 1 |
| 20 | WL-020-12 | Lockwasher M6 Spring | 8 |
| 21 | SC-117-25 | Cap Screw M6 x 1.0 x 12mm Hex Socket Hd. | 8 |
| 22 | 00-917410 | Isolator | 4 |
| 23 | WS-030-44 | Washer (SST) | 4 |
| 24 | SC-120-59 | Cap Screw M8 x 1.25 x 20mm Hex Hd. | 4 |
| 25 | SC-047-12 | Set Screw 1/4-20 x 3/8 Hex Hdls. Cup Pt. | 2 |




**TRANSMISSION**

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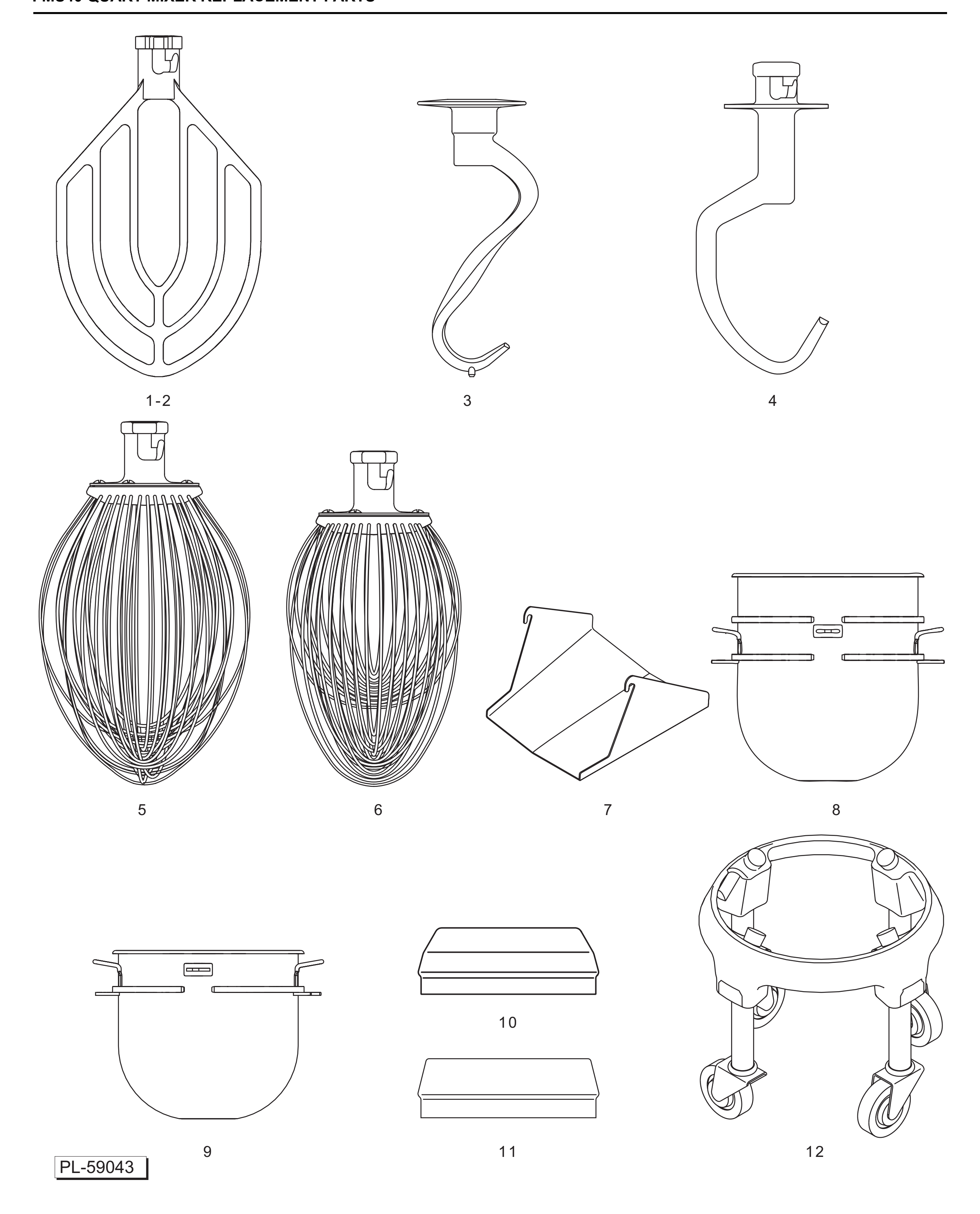
| ILLUS. PL-59041 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-916663 | Spacer – Planetary-Lower | 1 |
| 2 | 00-067500-00068 | O-Ring | 1 |
| 3 | BB-015-08 | Bearing – Ball | 1 |
| 4 | 00-917498 | Gear – Helical | 1 |
| 5 | 00-917496-00006 | Key – Metric | 1 |
| 6 | 00-917496-00005 | Key – Metric | 1 |
| 7 | 00-917496-00003 | Key – Metric | 1 |
| 8 | 00-917356 | Shaft – Sun | 1 |
| 9 | 00-070020-00002 | Gear – Bevel | 1 |
| 10 | 00-917368 | Spacer – Planetary-Upper | 1 |
| 11 | BB-005-34 | Bearing – Ball | 1 |
| 12 | NS-032-32 | Lock Nut 3/4-16 (LH) | 1 |
| 13 | BB-020-06 | Bearing – Ball | 1 |
| 14 | 00-917361 | Shaft – Worm Gear | 1 |
| 15 | BB-020-06 | Bearing – Ball | 1 |
| 16 | SL-005-04 | Spring – Loading | 1 |
| 17 | 00-917405 | Gear – Internal | 1 |
| 18 | WL-020-13 | Lockwasher M8 Spring | 5 |
| 19 | SC-117-19 | Cap Screw M8 x 1.25 x 30mm Hex Socket Hd. | 5 |
| 20 | 00-110334 | Seal – Planetary | 1 |
| 21 | 00-477413 | Gear – Sun | 1 |
| 22 | BB-007-52 | Bearing – Ball | 1 |
| 23 | 00-477407-00002 | Planetary | 1 |
| 24 | BB-005-46 | Bearing – Ball | 1 |
| 25 | WL-020-19 | Lockwasher 20mm x 36mm BRG | 1 |
| 26 | NS-049-25 | Lock Nut M20 x 1 BRG | 1 |
| 27 | 00-917690 | Plug – Planetary | 1 |
| 28 | 00-070019 | Pin – Agitator | 1 |
| 29 | 00-477441 | Shaft – Agitator Assy. (Incls. Item 28) | 1 |
| 30 | 00-917496-00004 | Key – Metric | 1 |
| 31 | 00-110335 | Seal – Agitator Shaft | 1 |
| 32 | BB-007-52 | Bearing – Ball | 1 |
| 33 | BB-005-46 | Bearing – Ball | 1 |
| 34 | 00-477412 | Gear – Planetary Beater | 1 |
| 35 | RR-012-06 | Ring – Retaining | 1 |




## BOWL GUARD AND HEIGHT SENSOR

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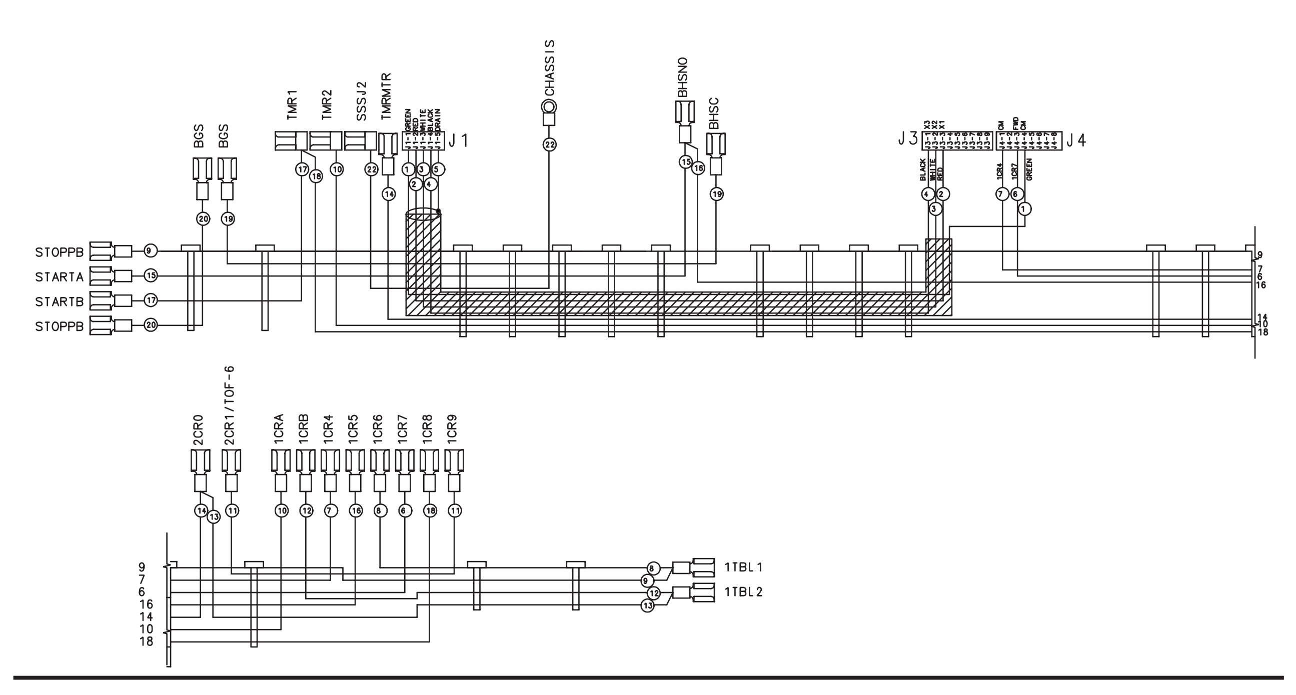
| ILLUS. PL-59042 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-916902-00003 | Switch – Reed | 1 |
| 2 | 00-917184 | Holder – Reed Switch | 1 |
| 3 | 00-917449 | Pin – Magnet Bridge | 1 |
| 4 | 00-917297 | Guard – Rear Splash | 1 |
| 5 | SC-117-77 | Mach. Screw M5 x 0.8 x 12mm Slotted Flat Hd. (SST) | 5 |
| 6 | 00-917338 | Cage Assy. (Incls. Items 5, 7, 8, & 9) | 1 |
| 7 | 00-917372 | Ring – Drip | 1 |
| 8 | 00-917056 | Plunger – Ball | 4 |
| 9 | 00-917185 | Magnet | 1 |
| 10 | SC-130-49 | Mach. Screw M6 x 1.0 x 16mm Slotted Pan Hd. (SST) | 4 |
| 11 | 00-917185 | Magnet | 1 |
| 12 | 00-917186 | Holder – Magnet | 1 |
| 13 | 00-916902-00003 | Switch – Reed | 1 |




## AGITATORS AND ACCESSORIES

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| ILLUS. PL-59043 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | 00-917941 | “B” Beater (30 Qt.) (Packaged) | 1 |
| 2 | 00-917949 | “B” Beater (20 Qt.) (Packaged) | 1 |
| 3 | 00-917943 | Dough Hook (30 Qt.) (Packaged) | 1 |
| 4 | 00-917951 | Dough Arm (20 Qt.) (Packaged) | 1 |
| 5 | 00-917942 | Wire Whip (Packaged) (30 Qt.) | 1 |
| 6 | 00-917950 | Wire Whip (Packaged) (20 Qt.) | 1 |
| 7 | 00-917944 | Ingredient Chute (Packaged) (30 Qt.) | 1 |
| 8 | 00-917952 | Bowl Assy (Packaged) (40 Qt.) | 1 |
| 9 | 00-917955 | Bowl Assy (Packaged) (20 Qt.) | 1 |
| 10 | 00-917788 | Splash Cover (Packaged) (20 Qt.) | 1 |
| 11 | 00-917945 | Splash Cover (Packaged) (30 Qt.) | 1 |
| 12 | 00-917953 | Bowl Dolly | 1 |
| | 00-917954 | Bowl Reduction Kit (20 Qt) (Incls. 20 Qt. Bowl, Beater, Whip, & Dough Arm) | 1 |




00-917594 Harness - Main

PL-59064

## WIRING HARNESSES